AMENDMENTS TO THE CLAIMS

1-4. (Cancelled)

5. (New) A tapered roller bearing comprising:

an inner ring;

an outer ring;

multiple tapered rollers rollably disposed between said inner and outer rings; and

a cage for holding said tapered rollers at predetermined circumferential intervals, wherein a roller coefficient γ thereof is larger than 0.94.

6. (New) The tapered roller bearing according to claim 5, wherein said cage includes pockets for holding said tapered rollers, respectively, and a window angle of each of said pockets is in a range of 55° to 80°.

7. (New) The tapered roller bearing according to claim 6, wherein said cage includes pole sections extending between adjacent ones of said pockets, respectively, each of said pole sections including a protruding section having a convex shape protruding toward said outer ring.

8. (New) The tapered roller bearing according to claim 7, wherein a radius of curvature of each of said protruding sections is 70 to 90% of a radius of curvature of an inner surface of said outer ring, as viewed in an axial direction of the tapered roller bearing.

9. (New) The tapered roller bearing according to claim 6, wherein said cage is formed of an engineering plastic.

10. (New) The tapered roller bearing according to claim 5, wherein said cage includes pockets for holding said tapered rollers, respectively, and wherein said cage includes pole sections extending between adjacent ones of said pockets, respectively, each of said pole sections

including a protruding section having a convex shape protruding toward said outer ring.

11. (New) The tapered roller bearing according to claim 10, wherein a radius of curvature of each of said protruding sections is 70 to 90% of a radius of curvature of an inner surface of said outer ring, as viewed in an axial direction of the tapered roller bearing.

12. (New) The tapered roller bearing according to claim 5, wherein said cage is formed of an engineering plastic.